

2019 Current Fiscal Year Report: EPA Board of Scientific Counselors

Report Run Date: 06/05/2019 09:58:52 PM

1. Department or Agency

Environmental Protection Agency

2. Fiscal Year

2019

3. Committee or Subcommittee

EPA Board of Scientific Counselors

3b. GSA Committee No.

5132

4. Is this New During Fiscal Year?

No

5. Current Charter

05/09/2018

6. Expected Renewal Date

05/09/2020

7. Expected Term Date

8a. Was Terminated During Fiscal Year?

No

8b. Specific Termination Authority

8c. Actual Term Date

9. Agency Recommendation for Next Fiscal Year

Continue

10a. Legislation Req to Terminate?

No

10b. Legislation Pending?

Not Applicable

11. Establishment Authority

Agency Authority

12. Specific Establishment Authority

Request for Approval

13. Effective Date

02/23/1996

14. Committee Type

Continuing

14c. Presidential?

No

15. Description of Committee

Scientific Technical Program Advisory Board

16a. Total Number of Reports

No Reports for this Fiscal Year

17a. Open Meetings and Dates

No Meetings

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$0.00	\$0.00
18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$0.00	\$0.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$0.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$0.00	\$0.00
18d. Total	\$0.00	\$0.00
19. Federal Staff Support Years (FTE)	0.00	0.00

20a. How does the Committee accomplish its purpose?

The committee did not meet in FY2018. The BOSC was reconstituted through a comprehensive outreach and nomination process. The committee plans to meet several times in FY2019. In retrospect during FY 2017, BOSC issued a report to EPA's Office of Research and Development. The report included reports addressing charge questions posed by five of the National Research Program areas and the review of the four crosscutting Roadmap Annual Reports programs: Climate Change Research, Environmental Justice Research, Children's Health and Nitrogen. The BOSC also delivered a Letter Report on Social Science.

20b. How does the Committee balance its membership?

The selection of board members who are appropriately highly qualified, diverse, and have broad experience in the fields of science, engineering, and the social sciences, is crucial to the success of BOSC. Selected individuals must be nationally recognized experts as judged by their research record, publications, and professional standing in their respective community. Balance in disciplines and area of expertise is essential for the work to be performed on the BOSC committee. Balance in work sector/employing institution, and geographic distribution area is desirable. Work sectors currently represented on the BOSC EC include: academia, industry, research institutes, environmental consulting firms, and environmental organization/association.

20c. How frequent and relevant are the Committee Meetings?

The BOSC Executive Committee expects to meet approximately 2-3 times a year. There were no meetings in FY2018, but plan to meet in FY2019. The EC met in FY 2017 and four of the BOSC subcommittees each met to deliberate and advise ORD on issues associated with its six research programs. Meetings are relevant to the EPA/ORD research agenda because they provide the opportunity to receive advice and recommendations from recognized experts for the purpose of strategically focusing and continually improving the research programs. Meetings are timely because they help the research programs keep current with the continuing advances in science and technology, and help provide feedback and input from the continually changing needs of the users of ORD's research outputs, tools, and products.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

ORD conducts leading-edge research and fosters the use of science and technology to fulfill EPA's mission. The BOSC was established to support this mission of providing the highest quality scientific and engineering knowledge and tools to serve as the basis for sound environmental decisions. The BOSC is essential to ORD's success by: providing

advice on research and development to identify, understand, and solve current and future environmental problems; reviewing ORD's technical support to EPA's program and regional offices; providing leadership in assisting ORD in identifying emerging environmental issues; and, helping to advance the science and technology of risk assessment and risk management. The BOSC conducts comprehensive retrospective and prospective technical reviews of ORD's research programs and provides objective and independent counsel to the ORD Assistant Administrator. BOSC not only conducts program reviews but also evaluates the utilization of peer review within ORD – both functions that cannot be performed by the Agency itself. ORD has been implementing external reviews of its research programs via the BOSC mechanism. BOSC reviews of ORD research programs include input on ORD's past performance and future directions. The BOSC has completed 17 in-depth program reviews and eleven progress reviews of ORD research programs since it began conducting these reviews in 2004, as well as reviews of its Laboratories and Centers. External reviews are considered vitally important to help ORD: plan, implement, and strengthen its research programs; compare the program with programs designed to achieve similar outcomes in other parts of EPA and in other federal agencies and non governmental organizations; make research investment decisions over the next five years; prepare EPA's performance and accountability reports to Congress; and respond to evaluations of federal research. EPA continues to need a body such as BOSC to provide objective, independent, external advice on ORD's research programs, focusing on their strategic direction, management processes, quality, relevance, and performance.

20e. Why is it necessary to close and/or partially closed committee meetings?

No meetings were closed or partially closed.

21. Remarks

Members are Tier 1 (parent committee members) or Tier 2 (subcommittee) members. In some cases, a member may be both Tier 1 and Tier 2.

Designated Federal Officer

Thomas Tracy Designated Federal Officer

Committee Members	Start	End	Occupation	Member Designation
Aneja, Viney	12/29/2017	12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Professor, North Carolina State University, Raleigh, NC	Special Government Employee (SGE) Member

Blanz, Robert	12/29/2017	12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Chief Technical Officer, Arkansas Department of Environmental Quality, North Little Rock, AR	Special Government Employee (SGE) Member Regular
Brooks, Lance	01/27/2017	01/26/2020	Tier 1 and Tier 2, (1/27/2017-1/26/2020), Division Chief, Defense Threat Reduction Agency, Ft. Belvoir, VA	Special Government Employee (SGE) Member
Chaudhry, Shahid	12/29/2017	12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Senior Mechanical Engineer and Water-Energy, California Energy Commisison, Sacramento, CA	Special Government Employee (SGE) Member
Cutting, Kari	12/29/2017	12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Vice President, North Dakota Petroleum Council, Bismarck, ND	Special Government Employee (SGE) Member
Flint, Courtney	12/29/2017	12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Professor, Utah State University, Logan, UT	Special Government Employee (SGE) Member
Geffen, Charlette	12/29/2017	12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Director of Research Strategy, Pacific Northwest National Laboratory, Richland, WA	Special Government Employee (SGE) Member
Gilman, Paul	12/29/2017	12/28/2020	Tier 1, EC Chair, (12/29/2017-12/28/2020), Chief Sustainability Officer, Covanta, Morristown, NJ	Special Government Employee (SGE) Member
Johnson, Lucinda	12/29/2017	12/28/2020	Tier 1 and Tier 2, EC Vice Chair, (12/29/2017-12/28/2020), Associate Institute Director, Natural Resources Research Institute, Duluth, MN	Special Government Employee (SGE) Member
Naud, Matthew	12/29/2017	12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Environmental Coordinator, City of Ann Arbor, Ann Arbor, MI	Special Government Employee (SGE) Member
Olsiewski, Paula	12/29/2017	12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Program Director, Alfred P. Sloan Foundation, New York, NY	Special Government Employee (SGE) Member
Rodricks, Joseph	12/29/2017	12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Principal, Ramboll Environ, Arlington, VA	Special Government Employee (SGE) Member

Smith, Sandra	12/29/2017 12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Principal Toxicologist and Project Manager, AECOM, Austin, TX	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Regular Government Employee (RGE) Member Special
Stevens, James	12/29/2017 12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Retired, Apex, NC	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Regular Government Employee (RGE) Member Special
Waters, Katrina	12/29/2017 12/28/2020	Tier 1 and Tier 2, (12/29/2017-12/28/2020), Pacific Northwest National Laboratory, Richland, WA	Special Government Employee (SGE) Member Regular Government Employee (RGE) Member Special
Arnold, Jeffrey [Air and Energy Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Senior Scientist, United States Army Corps of Engineers, Seattle, Washington	Special Government Employee (SGE) Member Special
Croes, Bart [Air and Energy Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Research Division Chief, California Air Resources Board, Sacramento, California	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Hains, Jennifer [Air and Energy Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Division Chief Ambient Air Data Management, Maryland Department of the Environment, Baltimore, Maryland	Special Government Employee (SGE) Member Special
Keslar, Cara [Air and Energy Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Monitoring Section Supervisor Wyoming DEQ/AQD, Cheyenne, Wyoming	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Kleinman, Michael [Air and Energy Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Professor, University of California, Irvine, Irvine, California	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Mitchell, Myron [Air and Energy Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Distinguished Professor Emeritus, SUNY College of Environmental Science and Forestry, Dept. ERE, Syracuse, New York	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Rivers, Louie [Air and Energy Subcommittee]	01/27/2017 01/26/2020	Tier II, (1/27/2017-1/26/2020), Assistant Professor, North Carolina State University, Raleigh, North Carolina	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Rohr, Annette [Air and Energy Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Principal Project Manager, Electric Power Research Institute, Palo Alto, California	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special

Senior, Constance [Air and Energy Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Director of Technology Development, ADA-ES, Inc, Highlands Ranch, Colorado	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Werner, Art [Air and Energy Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Retired, Chapel Hill, North Carolina	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Bahinski, Anthony [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Global Head, Safety Pharmacology, GlaxoSmithKline, King of Prussia, Pennsylvania	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Becker, Richard [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Senior Toxicologist, American Chemistry Council, Washington, District of Columbia	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Colberg, Juan [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Sr. Director of Chemical Technology & Innovation and Pfizer Green Chemistry Program Leader Pfizer Inc. Worldwide Research & Development, Groton, Connecticut	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
DiGiulio, Richard [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Professor, Duke University, Durham, North Carolina	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Gennings, Chris [Chemical Safety for Sustainability Subcommittee]	03/15/2016 03/14/2019	Tier II, (3/15/2016-3/14/2019) Research Professor, Icahn School of Medicine at Mount Sinai, New York, New York	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Johnson, Dale [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), University of California, Berkeley; University of Michigan; Emiliem Inc., Emeryville, California	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Juberg, Daland [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Global Leader, Human Health Assessment, Dow AgroSciences LLC, Indianapolis, Indiana	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Koloja, Kyle [Chemical Safety for Sustainability Subcommittee]	03/15/2016 03/14/2019	Tier II, (3/15/2016-3/14/2019) Senior Principal Investigator, Celgene Corporation, Summit, New Jersey	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Lam, Juleen [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Assistant Professor, California State University, East Bay, Hayward, California	Special Government Employee (SGE) Member Special Government Employee (SGE) Member

Malloy, Timothy [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Professor University of California, Los Angeles, Los Angeles, California	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
McPartland, Jennifer [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Senior Scientist, Environmental Defense Fund, Washington, District of Columbia	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Rose, Jane [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Principal Scientist, Procter & Gamble Co., Cincinnati, Ohio	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Solomon, Gina [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Principal Investigator, Oakland, California	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Somasundaran, Ponisseril [Chemical Safety for Sustainability Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), La von Duddleson Krumb Professor, Columbia University, Nyack, New York	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Vorhees, Donna [Chemical Safety for Sustainability Subcommittee]	03/15/2016 03/14/2019	Tier II, (3/15/2016-3/14/2019) Director of Energy Research; Adjunct Assistant Professor, Boston, Massachusetts	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Weisel, Clifford [Chemical Safety for Sustainability Subcommittee]	03/15/2016 03/14/2019	Tier II, (3/15/2016-3/14/2019), Professor, Exposure Science, Environmental and Occupational Health Sciences Institute, Rutgers University, Piscataway, New Jersey	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Wiesner, Mark [Chemical Safety for Sustainability Subcommittee]	03/15/2016 03/14/2019	Tier II, (3/15/2016-3/14/2019), James L. Meriam Professor of Civil & Environmental Engineering, Director, Center for the Environmental Implications of NanoTechnology (CEINT), Duke University, Durham, North Carolina	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Barton, Charles [Homeland Security Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020) Global Manager of Toxicology & Risk Assessment, Valspar Corporation, Sewickley, PA	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
Cohen, Murray [Homeland Security Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Director, Frontline Healthcare Workers Safety Foundation, Ltd, Fort Worth, TX	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special
DeGraca, Andrew [Homeland Security Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Water Quality Division Director, San Francisco Public Utilities, Burlingame, CA	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special

Gibbs, Shawn [Homeland Security Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Executive Associate Dean and Professor, Indiana University, Bloomington, IN	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Hackney, Edward [Homeland Security Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Director, SUEZ (United Water), Paramus, NJ	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Klein, David [Homeland Security Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Associate Professor, Texas Tech University, Lubbock, TX	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Reinhart, Debra [Homeland Security Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Associate Vice President for Research and Scholarship, University of Central Florida, Orlando, FL	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Roehl, Edwin [Homeland Security Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Chief Technical Officer, Advanced Data Mining International, Greenville, SC	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Schoch-Spana, Monica [Homeland Security Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Senior Associate, Johns Hopkins University Center for Health Security, Baltimore, MD	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Scudder, Robert [Homeland Security Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Safety Coordinator, Mayes County Emergency Management, Pryor, OK	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Teegarden, Justin [Homeland Security Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Staff Scientist, Pacific Northwest National Laboratory, Richland, WA	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Wichman, Michael [Homeland Security Subcommittee]	01/27/2017 01/26/2020	Tier II, (1/27/2017-1/26/2020), Director, Arkansas Regional Laboratory, Food and Drug Administration	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Ahlstrom, Scott [Safe and Sustainable Water Resources Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Retired, Georgetown, TX	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Bales, Jerad [Safe and Sustainable Water Resources Subcommittee]	12/29/2017 12/28/2020	Tier II, (12/29/2017-12/28/2020), Executive Director, Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI), Cambridge, MA	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member

Boyer, Elizabeth [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Associate Professor Penn State University, University Park, PA	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Carr, Steve [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Research Scientist, Los Angeles County Sanitation Districts, Whittier, CA	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Cole, David [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Water Quality Specialist, Oregon Department of Environmental Quality, Portland, OR	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Davis, Timothy [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Associate Professor, Bowling Green State University, Bowling Green, OH	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Ducoste, Joel [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Professor of Environmental Engineering, North Carolina State University, Raleigh, NC	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Fassman-Beck, Elizabeth [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Associate Professor, Stevens Institute of Technology, Hoboken, NJ	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Hitzhusen, Fred [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Retired, Columbus, OH	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Lajtha, Kate [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Professor, Oregon State University, Dept. Crop and Soil Sciences, Corvallis, OR	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Lorah, Michelle [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Research Hydrologist, U.S. Geological Survey, Baltimore, MD	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Lowenthal, John [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Senior Biologist, Cardno, Hampton, VA	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Verslycke, Tim [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Principal, Gradient, Cambridge, MA	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member

Weisberg, Stephen [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Southern California Coastal Water Research Project Authority, Costa Mesa, CA	Special Government Employee (SGE) Member
White, John [Safe and Sustainable Water Resources Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Louisiana State University, Baton Rouge, LA	Special Government Employee (SGE) Member
Golden, Jay [Sustainable and Healthy Communities Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Chair and Professor of Civil Engineering, Dept. of Civil & Environmental Engineering, East Carolina University, Greenville, NC	Special Government Employee (SGE) Member
Gray, Kimberly [Sustainable and Healthy Communities Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Chair and Professor of Civil Engineering, Dept. of Civil & Environmental Engineering, Northwestern University, Evanston, IL	Special Government Employee (SGE) Member
Irwin, Elena [Sustainable and Healthy Communities Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Professor, Department of Agricultural, Environmental and Development Economics, Ohio State University, Columbus, OH	Special Government Employee (SGE) Member
Kelly, James [Sustainable and Healthy Communities Subcommittee]	01/27/2017	01/26/2020	Tier II, (12/29/2017-12/28/2020), Health Program Manager, Environmental Surveillance and Assessment, Minnesota Department of Health, St. Paul, MN	Special Government Employee (SGE) Member
Lohmann, Rainer [Sustainable and Healthy Communities Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Professor of Oceanography, The University of Rhode Island, Narragansett, RI	Special Government Employee (SGE) Member
Meiman, Jonathan [Sustainable and Healthy Communities Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Chief Medical Officer and State Epidemiologist, Wisconsin Division of Public Health, Madison, WI	Special Government Employee (SGE) Member
Nelson, Donald [Sustainable and Healthy Communities Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Associate Professor, University of Georgia, Athens, GA	Special Government Employee (SGE) Member
Ristroph, Barrett [Sustainable and Healthy Communities Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Principal, Ristroph Law, Planning, and Research, Fairbanks, AK	Special Government Employee (SGE) Member
Shendell, Derek [Sustainable and Healthy Communities Subcommittee]	12/29/2017	12/28/2020	Tier II, (12/29/2017-12/28/2020), Associate Professor, Center Co-Director, and NJ Safe Schools Program Director, Rutgers School of Public Health, Piscataway, NJ	Special Government Employee (SGE) Member

Number of Committee Members Listed: 79**Narrative Description**

The BOSC conducts comprehensive retrospective and prospective technical reviews of ORD's research programs. The BOSC provides advice and recommendations on ORD's individual research programs and overall research effort. This includes evaluating ORD's science and engineering programs and plans, the performance of ORD's laboratories and centers, and ORD's research-management practices. Recommendations focus on specific actions ORD can take to improve the quality, relevance, and performance (e.g., timeliness, and demonstrated impact of its research in support of EPA's mission (i.e., in support of the science and engineering research needs of EPA's Program and Regional Offices and ORD's role as a leader in the environmental research community)). BOSC reports are recognized as significant inputs into the evolution of all parts of the ORD R&D program, ensuring that ORD not only "does the right science" but "does the science right." ORD's use of the BOSC meets the critical need for independent program evaluations and program improvement recommendations. The BOSC reports and ORD's responses have been used as key evidence in OMB's reviews to assess the extent to which independent evaluations demonstrate that ORD's programs are effective, as well as the extent to which ORD programs are taking actions to improve performance. Accomplishments for FY 2018: The committee did not meet in FY2018, but does plan to meet and deliver a report in FY 2019. Accomplishments for FY 2017: The BOSC Executive Committee met in Durham, NC on January 11-13, 2017 to review, summarize and synthesize the five subcommittee draft reports. The Report was delivered to EPA May 8, 2017. The report included the five subcommittee program reviews, and review of the cross-cutting roadmap annual reports. The EPA response is currently being prepared. The BOSC also delivered a Letter Report on Social Science.

What are the most significant program outcomes associated with this committee?

Checked if Applies

Improvements to health or safety



Trust in government



Major policy changes



Advance in scientific research



Effective grant making



Improved service delivery



Increased customer satisfaction	<input checked="" type="checkbox"/>
Implementation of laws or regulatory requirements	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

Outcome Comments

BOSC reports are recognized as significant input into the evolution of ORD's R&D program and will result in changes to ORD's strategic directions and research plans.

What are the cost savings associated with this committee?

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

Cost Savings Comments

NA

What is the approximate Number of recommendations produced by this committee for the life of the committee?

623

Number of Recommendations Comments

In FY 2017, BOSC issued a report on ORD's Research Programs which included 77 recommendations and a Letter Report on Social Science with 5 recommendations.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

88%

% of Recommendations Fully Implemented Comments

ORD is fully implementing 76 of the 77 recommendations and not implementing 1 recommendation. ORD is also implementing all 5 recommendations from the Social Science Letter.

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

12%

% of Recommendations Partially Implemented Comments

ORD is in the process of developing a response to the BOSC report.

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

The Assistant Administrator for the Office of Research and Development (ORD) transmits a letter to the Chair of the Board of Scientific Counselors (BOSC), indicating how and when ORD will address and implement the recommendations/advice provided by the BOSC. This letter and any attachments are posted along with the respective BOSC report on the BOSC internet website at <https://www.epa.gov/bosc>

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

No comments

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

NA

How is access provided to the information for the Committee's documentation?

	Checked if Applies
Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input checked="" type="checkbox"/>
Publications	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Access Comments

No comments.